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## eegchref

- **Description**

Tool for changing reference of continuous data. The new reference can be a channel or average reference.

- **Usage**

```
eegchref myeegfile_in.eeg myparfile myeegfile_out.eeg
```

with :

- myeegfile\_in.eeg : input file to change reference (with extension).
- myparfile : text file containing reference parameters.
- myeegfile\_out.eeg : output file (with extension).

- **Fields of parameter file and example**

ref_type 0 0 0 3 0 0 -1 0 0	Type of reference to apply. Values can be : 0: no change. -1: average reference. In this case, the field ref_avg_def is required. any other value: indice of channel used as reference. The total number of values is N+2, N being the number of recorded channels in myeegfile_in.eeg file; the last 2 flags should be set to 0.
ref_avg_def 0 0 1 1 1 0 1 0 0	List of channel to use for average reference: 1/0 for selected/unselected channels. The total number of flags is N+2, N being the number of recorded channels in myeegfile_in.eeg file; the last 2 flags should be set to 0.

- **Example**

- **Comments**

- **Current version**

2.25 02-06-2017

- **History**

- 2.22 08-01-2004 (PEA) : 1st documented version.
- 2.23 08-12-2010 (PEA) : correction for overflow of digital value after reference change.
- 2.24 14-02-2014 (PEA) : correction for self reference channel (null value for physical min/max).
- 2.25 02-06-2017 (PEA) : minor modification: test for parameter file existence added.

- **Files**

\$ELANPATH/bin/eegchref

- **See also**

CRNL



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